

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
077-03

Total Pages in this Submission

**TO THE ASSISTANT COMMISSIONER FOR PATENTS**

Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**COLORED ROOFING GRANULES WITH INCREASED SOLAR HEAT REFLECTANCE,  
SOLAR HEAT-REFLECTIVE SHINGLES, AND PROCESS FOR PRODUCING SAME**

and invented by:

**Ming L. Shiao, Husnu M. Kalkanoglu, and Keith C. Hong**

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

Continuation    Divisional    Continuation-in-part (CIP)   of prior application No. \_\_\_\_\_

Which is a:

Continuation    Divisional    Continuation-in-part (CIP)   of prior application No. \_\_\_\_\_

Which is a:

Continuation    Divisional    Continuation-in-part (CIP)   of prior application No. \_\_\_\_\_

Enclosed are:

**Application Elements**

1.  Filing fee as calculated and transmitted as described below
  
2.  Specification having 35 pages and including the following:
  - a.  Descriptive Title of the Invention
  - b.  Cross References to Related Applications (*if applicable*)
  - c.  Statement Regarding Federally-sponsored Research/Development (*if applicable*)
  - d.  Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e.  Background of the Invention
  - f.  Brief Summary of the Invention
  - g.  Brief Description of the Drawings (*if filed*)
  - h.  Detailed Description
  - i.  Claim(s) as Classified Below
  - j.  Abstract of the Disclosure

22389 U.S. PTO  
10/679898

100603

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**Application Elements (Continued)**

3.  Drawing(s) (*when necessary as prescribed by 35 USC 113*)
  - a.  Formal Number of Sheets \_\_\_\_\_
  - b.  Informal Number of Sheets 2
4.  Oath or Declaration
  - a.  Newly executed (*original or copy*)  Unexecuted
  - b.  Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
  - c.  With Power of Attorney  Without Power of Attorney
  - d.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5.  Incorporation By Reference (*usable if Box 4b is checked*)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6.  CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7.  Application Data Sheet (See 37 CFR 1.76)
8.  Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper
  - c.  Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9.  Assignment Papers (*cover sheet & document(s)*)
10.  37 CFR 3.73(B) Statement (*when there is an assignee*)
11.  English Translation Document (*if applicable*)
12.  Information Disclosure Statement/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
15.  Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
16.  Certificate of Mailing  
 First Class  Express Mail (*Specify Label No.:* EV281503947US)

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**Accompanying Application Parts (Continued)**

17.  Additional Enclosures (please identify below):

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

18.  Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

**Warning**

*An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.*

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**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	35	- 20 =	15	x \$18.00	\$270.00
Indep. Claims	9	- 3 =	6	x \$86.00	\$516.00
Multiple Dependent Claims (check if applicable)		<input type="checkbox"/>			\$0.00
				<b>BASIC FEE</b>	<b>\$770.00</b>
OTHER FEE (specify purpose)					\$0.00
				<b>TOTAL FILING FEE</b>	<b>\$1,556.00</b>

A check in the amount of **\$1,556.00** to cover the filing fee is enclosed.

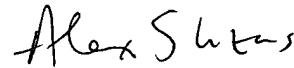
The Commissioner is hereby authorized to charge and credit Deposit Account No. **16-0750** as described below. A duplicate copy of this sheet is enclosed.

Charge the amount of \_\_\_\_\_ as filing fee.

Credit any overpayment.

Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).



*Signature*

**Alex R. Sluzas**  
Registration No. 28,669

**Paul & Paul**  
Two Thousand Market Street  
Suite 2900  
Philadelphia, PA 19103  
(215) 568-4900

Dated: **October 6, 2003**

cc: **1786**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent  
application of: Ming L. Shiao, et al.

Serial No. Not yet assigned

Filing Date: Herewith

For: **COLORED ROOFING GRANULES  
WITH INCREASED SOLAR HEAT  
REFLECTANCE, SOLAR HEAT-  
REFLECTIVE SHINGLES, AND  
PROCESS FOR PRODUCING SAME**

Docket No: 077-03

Mail Stop Patent Applications  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Certificate of Mailing by Express Mail  
Express Mail Label No: EV281503947US  
Date of Deposit: October 6, 2003

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therewith are being deposited with the United  
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P.O. Box 1450  
Alexandria, VA 22313-1450

Joelle K. Perna  
(type or print name of person making deposit)

  
Signature

**EXPRESS MAIL COVER LETTER**

Sir:

Enclosed and attached hereto are the following papers for filing in the United  
States Patent and Trademark Office:

1. This Express Mail Transmittal Sheet, in triplicate;
2. Utility Patent Application Transmittal Form, Lg. Entity, 4 pgs. in duplicate;
3. Specification (35 pages);
4. Declaration and Power of Attorney (4 pgs. unexecuted);
5. Two (2) sheets of informal drawings;
6. A check in the amount of \$1,556.00 for payment of application filing fee; and
7. An acknowledgment postcard to be date-stamped and returned to Paul & Paul.

Docket No. 077-03  
October 6, 2003  
Page 2

The Commissioner is hereby authorized to charge any additional fees associated with this communication to Paul & Paul deposit account number 16-0750, Order No. 1786. This cover letter is being submitted in triplicate.

Respectfully submitted,

October 6, 2003

Alex Sluzas  
Alex R. Sluzas  
Registration No. 28,669

Order No: 1786

Paul & Paul  
Two Thousand Market Street  
Suite 2900  
Philadelphia, PA 19103  
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